

**WE CLAIM:**

1. A grants management method, comprising:  
responsive to a transaction request and data associated therewith, converting values of the associated data from a domain of a transaction system to a domain defined for a grant,  
determining if the converted data maps to a classification that has been defined under the grant to be valid,  
if so, determining if the converted data would cause a limit defined under the grant to be exceeded, and  
admitting the requested transaction unless the limit would be exceeded.
2. The method of claim 1, wherein the domain of the transaction system and the domain of the grant are different.
3. The method of claim 1, wherein the domain of the transaction system is the same as the domain of the grant
4. The method of claim 1, further comprising storing the transaction data in a database in the domain defined for the grant.
5. The method of claim 1, further comprising:  
determining if a report and/or a bill are due according to a predetermined set of reporting and billing rules;  
retrieving transactional data stored in the domain define for the grant; and  
if the report and/or the bill are determined to be due, generating the report and/or the bill in the domain defined for the grant.
6. An enterprise management system, comprising:  
a transaction management system, operating under a predetermined set of transaction rules and responsive to a transaction request by validating and accepting the transaction,  
a grants management system provided in communication with the transaction system and comprising:  
an interpretation logic unit to convert values of the transaction request from a domain of the transaction system to a domain defined for an identified grant,

a dimensional control unit to determine if the converted data maps to a classification that has been defined under the grant to be valid,

an availability control unit to determine if the converted data would cause a limit defined under the grant to be exceeded, and

a database storing converted transaction of the transaction requests that map to valid classifications that do not exceed the defined limits.

7. The system of claim 6, wherein the database stores the converted transaction in the domain defined for the identified grant.

8. The system of claim 6, further comprising;

a reporting and billing manager to generate a report and/or a bill when due according to a predetermined set of reporting and billing rules.

9. The system of claim 8, wherein the reports and bills are generated in the domain defined for the identified grant.

10. An enterprise management system, comprising:

a transaction management system, operating under a predetermined set of transaction rules and responsive to a transaction request by validating and accepting the transaction,

a grants management system provided in communication with the transaction system and responsive to the transaction request by:

converting values of the transaction request from a domain of the transaction system to a domain defined for an identified grant,

determining if the converted data maps to a classification that has been defined under the grant to be valid,

if so, determining if the converted data would cause a limit defined under the grant to be exceeded , and

causing the transaction management system to reject to requested transaction if the limit would be exceeded.

11. The enterprise management system of claim 7, further comprising first and second databases, one provided for the transaction system and the other provided for the grants management system, each storing transaction data of transactions admitted by the grants

management system, the transaction system's database storing the original transaction data and the grants management database storing the converted transaction data.

12. The enterprise management system of claim 10, wherein the grants management system comprises a database storing a data cube of aggregated transaction data, the data cube having dimensions for all parameters defined for all grants managed by the grants management system.

13. A method for managing grants received from a sponsor, comprising:  
receiving a transaction request and data associated with the transaction request;  
determining if the transaction request satisfies administrative and financial requirements imposed by the sponsor,  
if so, admitting the transaction request.

14. The method of claim 13, further comprising converting the associated data to a predetermined domain of a grant.

15. The method of claim 13, further comprising determining if the associated data maps to a valid budget entry for the grant.

16. The method of claim 15, further comprising rejecting the transaction request if the associated data maps to an invalid budget entry for the grant.

17. The method of claim 13, further comprising determining if the associated data is consistent with a budgetary plan.

18. The method of claim 17, further comprising rejecting the transaction request if the associated data is inconsistent with the budgetary plan.

19. The method of claim 13, wherein the administrative and financial requirements from one sponsor is different from the administrative and financial requirements from another sponsor.

20. A reporting and billing management method, comprising  
determining if a report and/or a bill are due according to a predetermined set of reporting and billing rules imposed by a sponsor of a grant on a grantee;  
retrieving transactional data stored in the sponsor's terms; and

if the report and/or the bill are determined to be due, generating the report and/or the bill in the sponsor's terms.

21. The method of claim 20, wherein the report and the bill are generated according to the sponsor's currency, dimension, and fiscal year.

22. The method of claim 20, further comprising using a blocking indicator to indicate whether a report and/or a bill are due.

23. An enterprise management system, comprising:

a transaction management system, operating under a predetermined set of transaction rules imposed by a sponsor on a grantee and responsive to a transaction request by validating and accepting the transaction, and

a grants management system provided in communication with the transaction system, to determine if the transaction request satisfies the predetermined set of transaction rules imposed by the sponsor, and if so, storing transaction data, wherein the grants management system comprises:

a reporting and billing manager to generate a report and/or a bill to the sponsor pursuant to a predetermined set of reporting and billing rules and the transaction data.

24. The system of claim 23, wherein the sponsor and grantee run the grant on different terms.

25. The system of claim 24, wherein, pursuant to a predetermined set of rules imposed by the sponsor, the reporting and billing manager retrieves the transactional data stored in the sponsor's terms, and generates a report and/or bill in the sponsor's terms when it is determined to be due.

26. The system of claim 23, wherein the grants management system further comprises:

an interpretation logic unit to convert values of the transaction request from a domain of the transaction system to a domain defined for an identified grant,

a dimensional control unit to determine if the converted data maps to a classification that has been defined under the grant to be valid,

an availability control unit to determine if the converted data would cause a limit defined under the grant to be exceeded, and

a database storing converted transaction of transaction requests that map to valid classifications that do not exceed the defined limits.

27. An enterprise management system, comprising:

a transaction management system operating under a predetermined set of transaction rules and responsive to a transaction request by validating and accepting the transaction,

a grants management system provided in communication with a transaction system wherein the transaction system comprises:

an interpretation logic unit to convert values of the transaction request from a domain of the transaction system to a domain defined for an identified grant,

a dimensional control unit to determine if the converted data maps to a classification that has been defined under the grant to be valid,

an availability control unit to determine if the converted data would cause a limit defined under the grant to be exceeded,

a database storing converted transaction of transaction requests that map to valid classifications that do not exceed the defined limits, and

a reporting and billing manager to submit a report and/or a bill according to a predetermined set of rules.